



## Author index to volume 13

Antić, D., <i>see</i> Potkonjak, V.	13 (1994) 13
Aoki, S., <i>see</i> Xu, Y.	13 (1994) 1
Bajcsy, R., <i>see</i> Bogoni, L.	13 (1994) 173
Basu, A., <i>see</i> Korayem, M.H.	13 (1994) 219
Behera, L., M. Gopal and S. Chaudhury, Trajectory tracking of robot manipulator using Gaussian networks	13 (1994) 107
Bétemp, M., <i>see</i> Cloutier, G.M.	13 (1994) 233
Bicchi, A., On the problem of decomposing grasp and manipulation forces in multiple whole-limb manipulation	13 (1994) 127
Bogoni, L. and R. Bajcsy, Functionality investigation using a discrete event system approach	13 (1994) 173
Brown, B., <i>see</i> Xu, Y.	13 (1994) 1
Chaudhury, S., <i>see</i> Behera, L.	13 (1994) 107
Cho, H.S., <i>see</i> Kim, J.H.	13 (1994) 39
Cloutier, G.M., A. Jutard and M. Bétemp, A robot-task conformance index for the design of robotized cells	13 (1994) 233
Dekhil, M., <i>see</i> Sobh, T.	13 (1994) 153
Di Febraro, A. and R. Minciardi, System parameter, lot-size, and work-in-process optimization in manufacturing processes: An approach based on the application of Timed Event Graphs	13 (1994) 197
Djordjević, G., <i>see</i> Potkonjak, V.	13 (1994) 13
Giraudon, G., <i>see</i> Houzelle, S.	13 (1994) 69
Gopal, M., <i>see</i> Behera, L.	13 (1994) 107
Gottschlich, S.N. and A.C. Kak, AMP-CAD: Automatic assembly motion planning using CAD models of parts	13 (1994) 245
Houzelle, S. and G. Giraudon, Contribution to multisensor fusion formalization	13 (1994) 69
Jutard, A., <i>see</i> Cloutier, G.M.	13 (1994) 233
Kak, A.C., <i>see</i> Gottschlich, S.N.	13 (1994) 245
Kanade, T., <i>see</i> Xu, Y.	13 (1994) 1
Kim, J.H. and H.S. Cho, Experimental investigation for the estimation of a mobile robot's position by linear scanning of a landmark	13 (1994) 39
Korayem, M.H. and A. Basu, Dynamic load carrying capacity of robotic manipulators with joint elasticity imposing accuracy constraints	13 (1994) 219
Li, Y.F., A proximity sensor and its application in real-time robot control	13 (1994) 25
Li, Y.F., On the use of velocity feedback for robot impact control	13 (1994) 297
Liu, D.J., <i>see</i> Wu, C.S.	13 (1994) 291

Markechová, M., *see* Regendová, H. 13 (1994) 117  
 Milosavljević, Č., *see* Potkonjak, V. 13 (1994) 13  
 Minciardi, R., *see* Di Febbraro, A. 13 (1994) 197  
 Mitiche, A., Three-dimensional interpretation of continuous image motion of straight lines 13 (1994) 53

Owen, J., *see* Sobh, T. 13 (1994) 153

Popović, D., *see* Potkonjak, V. 13 (1994) 13  
 Potkonjak, V., G. Djordjević, Č. Milosavljević, D. Antić and D. Popović, Variable structure systems for control of redundant robot 13 (1994) 13

Regenda, J., *see* Regendová, H. 13 (1994) 117  
 Regendová, H., M. Markechová and J. Regenda, Time-suboptimal quasi-continuous path generation for industrial robots 13 (1994) 117  
 Russell, R.A., A robotic system for performing sub-millimetre grasping and manipulation tasks 13 (1994) 209

Shieh, J.-y., *see* Zhuang, H. 13 (1994) 87  
 Sobh, T., J. Owen and M. Dekhil, A dynamic recursive approach for autonomous inspection and reverse engineering 13 (1994) 153  
 Sobh, T.M. and K.P. Valavanis, Discrete event systems in robotics and automation (Editorial) 13 (1994) 151  
 Sudhakar, R., *see* Zhuang, H. 13 (1994) 87

Valavanis, K.P., *see* Sobh, T.M. 13 (1994) 151

Wallace, R.S., Miniature direct drive rotary actuators II: Eye, finger and leg 13 (1994) 97  
 Wu, C.S., D.J. Liu and L. Wu, An auto-programming system of MAG welding parameters for vision-based robot 13 (1994) 291  
 Wu, L., *see* Wu, C.S. 13 (1994) 291

Xu, Y., B. Brown, S. Aoki and T. Kanade, Mobility and manipulation of a light-weight space robot 13 (1994) 1

Zhuang, H., R. Sudhakar and J.-y. Shieh, Depth estimation from a sequence of monocular images with known camera motion 13 (1994) 87



ELSEVIER

## Subject index to volume 13

Accommodation	13 (1994) 233	Minimum distance calculation	13 (1994) 245
Accuracy constraint	13 (1994) 219	Mobile robot	13 (1994) 1, 39
Actuator constraint	13 (1994) 219	Modeling	13 (1994) 197, 219
Assembly planning	13 (1994) 245	Multisensor fusion	13 (1994) 69
Automatic assembly	13 (1994) 245	Multisensor fusion mechanisms	13 (1994) 69
Autonomous systems	13 (1994) 153		
Auto-programming	13 (1994) 291	Optimization	13 (1994) 197
Complementarity	13 (1994) 69	Parallel actuation	13 (1994) 209
Conformance index	13 (1994) 233	Path planning	13 (1994) 245
Control	13 (1994) 25	Position determination	13 (1994) 39
Data fusion	13 (1994) 69	Power grasping	13 (1994) 127
Data integration	13 (1994) 69	Proximity sensor	13 (1994) 25
Discrete event systems	13 (1994) 153		
Distributed positioning	13 (1994) 13	Redundancy	13 (1994) 69
Dynamic load	13 (1994) 219	Redundant robot	13 (1994) 13
(Hyper)ellipsoids	13 (1994) 233	Reverse engineering	13 (1994) 153
Event graphs	13 (1994) 197	Rigid motion	13 (1994) 53
Experiments	13 (1994) 39	Robot	13 (1994) 25, 297
Fine motion planning	13 (1994) 245	Robot control	13 (1994) 1
Flexible joint	13 (1994) 219	Robot design	13 (1994) 1
Force distribution	13 (1994) 127	Robot hands	13 (1994) 127
Gaussian networks	13 (1994) 107	Robotic assembly	13 (1994) 245
Geometrical reasoning	13 (1994) 245	Robotic manipulator	13 (1994) 209
Grasping	13 (1994) 127	Robot motion planning and generation	13 (1994) 117
Impact control	13 (1994) 297		
Information theory	13 (1994) 69	Scene analysis	13 (1994) 69
Inspection	13 (1994) 153	Shape memory alloy	13 (1994) 209
Inverse and forward dynamics	13 (1994) 107	Space robotics	13 (1994) 1
Kalman filter	13 (1994) 25	Straight lines	13 (1994) 53
Landmark	13 (1994) 39		
Linear perturbation model	13 (1994) 107	Task	13 (1994) 233
Manipulator	13 (1994) 233	Teleoperation	13 (1994) 1
Manufacturing	13 (1994) 197	Time optimal motion	13 (1994) 117
Microrobots	13 (1994) 209	Tip velocity	13 (1994) 297
		Variable structure systems	13 (1994) 13
		Vision	13 (1994) 39
		Vision-based robot	13 (1994) 291
		Welding parameters	13 (1994) 291
		Whole-arm manipulation	13 (1994) 127

